

5/2/53-Sanibel, Fla.

To: G.W. Eddy

From: A.H. Baumhover

Subject: Weekly Report

Egg Mass Collections

| Pen  | Date | 4/25 | 26 | 27 | 28 | 29 | 30 | 5/1 |
|------|------|------|----|----|----|----|----|-----|
| Knip | FR   | 0    | 0  | 0  | 0  | 0  | 0  | 0   |
|      | SR   | 0    | 0  | 0  | 0  | 0  | 0  | 0   |
|      | FNR  | 0    | 0  | 0  | 2  | 0  | 0  | 0   |
|      | SNR  | 0    | 0  | 0  | 0  | 0  | 0  | 0   |
| Bush | FR   | 0    | 0  | 0  | 0  | 0  | 0  | 0   |
|      | SR   | 0    | 0  | 0  | 0  | 0  | 0  | 0   |
|      | FNR  | 4    | 1  | 7  | 2  | 4  | 3  | 8   |
|      | SNR  | 0    | 0  | 0  | 0  | 0  | 0  | 0   |
| Eddy | FR   | 4    | 0  | 4  | 1  | 0  | 0  | 1   |
|      | SR   | 0    | 0  | 0  | 0  | 0  | 0  | 0   |
|      | FNR  | 21   | 18 | 35 | 11 | 12 | 9  | 20  |
|      | SNR  | 0    | 0  | 0  | 0  | 0  | 0  | 0   |

Runta Basa, 1 FNR, Pineland and St. James none through April 29, 1953. These 3 pens were discontinued April 30 due to high mosquito populations (with Mr. Eddy's approval).

The mosquito problem on Sanibel is becoming increasingly serious and at the present time it appears appropriate to follow Dr. Bushland's suggestion and terminate the Sanibel project, shortly.

Fly Collections

| Trap   | School | Junction | Placida | P.Rasa | St.James | Pineland | 4    | 4a  | 3a  | 3   |
|--------|--------|----------|---------|--------|----------|----------|------|-----|-----|-----|
| Date   | 4/27   | 4/27     | 4/9     | 4/27   | 4/27     | 4/27     | 4/29 | 29  | 29  | 29  |
| Quarts | 1.0    | 0.4      | 1.5     | 0.8    | 0.4      | 1.0      | 0.1  | 1.0 | 1.6 | 0.1 |
| R.SW   | 0      | 0        | 0       | 0      | 0        | 0        | 0    | 0   | 0   | 0   |
| NR SW  | 2      | 0        | 1       | 0      | 0        | 0        | 0    | 0   | 8   | 0   |

5/2/53-Sandibel, Fla.

To: G.W. Haddy  
From: A.H. Baumhoefer  
Subject: Weekly Report

Back Mass Collections

| Pen   | Date | 4/25 | 26 | 27 | 28 | 29 | 30 | 5/1 |
|-------|------|------|----|----|----|----|----|-----|
| Knip  | FR   | 0    | 0  | 0  | 0  | 0  | 0  | 0   |
|       | SR   | 0    | 0  | 0  | 0  | 0  | 0  | 0   |
|       | PMR  | 0    | 0  | 0  | 2  | 0  | 0  | 0   |
|       | SMR  | 0    | 0  | 0  | 0  | 0  | 0  | 0   |
| Bush  | FR   | 0    | 0  | 0  | 0  | 0  | 0  | 0   |
|       | SR   | 0    | 0  | 0  | 0  | 0  | 0  | 0   |
|       | PMR  | 4    | 1  | 7  | 2  | 4  | 3  | 8   |
|       | SMR  | 0    | 0  | 0  | 0  | 0  | 0  | 0   |
| Haddy | FR   | 4    | 0  | 4  | 1  | 0  | 0  | 1   |
|       | SR   | 0    | 0  | 0  | 0  | 0  | 0  | 0   |
|       | PMR  | 21   | 18 | 38 | 11 | 12 | 9  | 20  |
|       | SMR  | 0    | 0  | 0  | 0  | 0  | 0  | 0   |

Points passed by FR, Pinedale and St. James were through April 29, 1953. These 3 pens were discontinued April 30 due to high mosquito populations (with Mr. Haddy's approval). The mosquito problem on Sandibel is becoming increasingly serious and at the present time it appears appropriate to follow Dr. Ingham's suggestion and terminate the Sandibel project, shortly.

Fly Collections

| Trap   | School Junction | Blackie P. Pass | St. James Pinedale | 4    | 4a   | 3a  | 3   |
|--------|-----------------|-----------------|--------------------|------|------|-----|-----|
| Date   | 4/27            | 4/27            | 4/27               | 4/29 | 4/29 | 29  | 29  |
| Quarts | 1.0             | 0.4             | 1.2                | 0.8  | 0.4  | 1.0 | 0.1 |
| R. SW  | 0               | 0               | 0                  | 0    | 0    | 0   | 0   |
| NR SW  | 2               | 1               | 0                  | 0    | 0    | 8   | 0   |



Weekly report-Baumhover to Eddy, 5/2/53

p.2.

Dr. Knipling's outline of proposed ecological studies was received 4/27/53. Consequently, we were unaware previously of his desire for a fly trap on Captiva. However, a trap was established 4/28/53 1/4 mile from the goat pen.

Following is a complete list of the radioactive rabbit-reared screw-worms (both sexes) released on Captiva:

|        |     |     |     |      |      |      |      |
|--------|-----|-----|-----|------|------|------|------|
| Date   | 4/6 | 4/7 | 4/9 | 4/11 | 4/17 | 4/20 | 4/28 |
| Number | 200 | 273 | 450 | 333  | 500  | 240  | 330  |

Upon discontinuance of the current project we plan to reestablish the original Captiva trap, and also maintain the present School and Junction traps.

The cessation of activity on Pine Island and Punta Rasa releases Mr. New for his requested 3 weeks annual leave; Mr. Graham could go on his 4 weeks leave immediately upon completion of the current project. In the meantime I can devote my time to setting up parts 1 and 2 of Experiment II as outlined in Dr. Knipling's schedule of ecological studies, and then go on leave in June.

cc: E.F. Knipling  
R.C. Bushland

CP

*W. H. Baumhover*





S.W. Eddy 7/

MAY 12 1953

5/8/53-Sanibel

To: G. W. Eddy

From: A.H. Baumhover

Subject: Final Weekly Report

Egg Mass Collections:

| Pen  | Date | 5/2 | 3  | 4  | 5  | 6 | 7  | 8  |
|------|------|-----|----|----|----|---|----|----|
| Knip | FR   | 0   | 0  | 0  | 0  | 0 | 0  | 0  |
|      | SR   | 0   | 0  | 0  | 0  | 0 | 0  | 0  |
|      | FNR  | 0   | 2  | 3  | 2  | 0 | 2  | 3  |
|      | SNR  | 0   | 0  | 0  | 0  | 0 | 0  | 0  |
| Bush | FR   | 0   | 0  | 0  | 0  | 0 | 0  | 0  |
|      | SR   | 0   | 0  | 0  | 0  | 0 | 0  | 0  |
|      | FNR  | 4   | 3  | 5  | 3  | 3 | 0  | 1  |
|      | SNR  | 0   | 0  | 0  | 0  | 0 | 0  | 0  |
| Eddy | FR   | 10  | 2  | 2  | 1  | 1 | 0  | 0  |
|      | SR   | 0   | 0  | 0  | 0  | 0 | 0  | 0  |
|      | FNR  | 11  | 28 | 19 | 13 | 9 | 14 | 14 |
|      | SNR  | 0   | 0  | 0  | 0  | 0 | 0  | 0  |

Fly Trap Collections

| Trap   | School | Buck Key | Safety Harbor | Captiva <u>1/</u> |
|--------|--------|----------|---------------|-------------------|
| Date   | 5/5    | 5/1      | 5/1           | 5/5               |
| Quarts | 1.5    | 4.0      | 0.5           | 3.0               |
| R SW   | 0      | 1        | 0             | 1                 |
| NR SW  | 1      | 67       | 0             | 306               |

1/ Established 4/28/53 (7 days); square trap; 1/4 mile from Captiva (Eddy) Pen; 23 males.

Reestablished 4/28/83 (7 days); square trap; 1/4 mile from Captive (Eddy) Pen; 23 males.

| Trap          | NR SW | R SW | Quarrels | Date |
|---------------|-------|------|----------|------|
| School        | 1     | 0    | 1.5      | 5/5  |
| Buck Key      | 67    | 1    | 4.0      | 5/1  |
| Safety Harbor | 0     | 0    | 0.5      | 5/1  |
| Captive V     | 306   | 1    | 3.0      | 5/5  |

Fly Trap Collections

| Pen  | Eddy  |      |    |    | Bush  |      |    |    | Knip  |      |    |    | Date | 5/2 | 3 | 4 | 5 | 6 | 7 | 8 |
|------|-------|------|----|----|-------|------|----|----|-------|------|----|----|------|-----|---|---|---|---|---|---|
|      | NR SW | R SW | FW | SW | NR SW | R SW | FW | SW | NR SW | R SW | FW | SW |      |     |   |   |   |   |   |   |
| Eddy | 0     | 0    | 11 | 28 | 0     | 0    | 3  | 13 | 0     | 0    | 0  | 0  | 5/2  | 0   | 0 | 0 | 0 | 0 | 0 | 0 |
|      | 0     | 0    | 0  | 0  | 0     | 0    | 0  | 0  | 0     | 0    | 0  | 0  | 3    | 0   | 0 | 0 | 0 | 0 | 0 | 0 |
|      | 0     | 0    | 0  | 0  | 0     | 0    | 0  | 0  | 0     | 0    | 0  | 0  | 0    | 0   | 0 | 0 | 0 | 0 | 0 | 0 |
|      | 0     | 0    | 0  | 0  | 0     | 0    | 0  | 0  | 0     | 0    | 0  | 0  | 0    | 0   | 0 | 0 | 0 | 0 | 0 | 0 |
| Bush | 0     | 0    | 0  | 0  | 0     | 0    | 0  | 0  | 0     | 0    | 0  | 0  | 5/2  | 0   | 0 | 0 | 0 | 0 | 0 | 0 |
|      | 0     | 0    | 0  | 0  | 0     | 0    | 0  | 0  | 0     | 0    | 0  | 0  | 0    | 0   | 0 | 0 | 0 | 0 | 0 | 0 |
|      | 0     | 0    | 0  | 0  | 0     | 0    | 0  | 0  | 0     | 0    | 0  | 0  | 0    | 0   | 0 | 0 | 0 | 0 | 0 | 0 |
|      | 0     | 0    | 0  | 0  | 0     | 0    | 0  | 0  | 0     | 0    | 0  | 0  | 0    | 0   | 0 | 0 | 0 | 0 | 0 | 0 |
| Knip | 0     | 0    | 0  | 0  | 0     | 0    | 0  | 0  | 0     | 0    | 0  | 0  | 5/2  | 0   | 0 | 0 | 0 | 0 | 0 | 0 |
|      | 0     | 0    | 0  | 0  | 0     | 0    | 0  | 0  | 0     | 0    | 0  | 0  | 0    | 0   | 0 | 0 | 0 | 0 | 0 | 0 |
|      | 0     | 0    | 0  | 0  | 0     | 0    | 0  | 0  | 0     | 0    | 0  | 0  | 0    | 0   | 0 | 0 | 0 | 0 | 0 | 0 |
|      | 0     | 0    | 0  | 0  | 0     | 0    | 0  | 0  | 0     | 0    | 0  | 0  | 0    | 0   | 0 | 0 | 0 | 0 | 0 | 0 |

Egg Mass Collections:

Subject: Final Weekly Report

From: A.H. Baumhauer

To: G.W. Eddy

5/8/83-Sampled

MAY 15 1983



The final collections from Junction, School and Captiva traps plus the previous collection from Junction will be examined during the next few days and reported in the next weekly report.

The Sanibel project is being terminated 5/8/53.

Captiva--One of the residents of Captiva Island has killed 15 meddlesome raccoons in the vicinity of his residence during the past several months. He observed 1 case of "worms" in this number. Examination of the burial site revealed pupal cases of several species of Diptera, among them probably screw-worms. It appears that the tremendous build-up of screw-worms on Sanibel and Captiva a year ago is repeating, at least on Captiva. It is with extreme reluctance that we leave this fertile area for study. If Mr. New will be available to assist us in the Trenton area (Trap #11) I think Mr. Graham or myself could spend some time on Sanibel and Captiva during the summer.

We are leaving 4 goats with Mr. Haeger on Sanibel for his mosquito work, and we could undoubtedly share these animals with him if it is decided to spend some time on Sanibel and Captiva during the summer.

Trenton--Mr. Skipper and I spent several days in the vicinity of Trap #11 during the early part of the week. From the standpoint of farmer cooperation and accessibility the area is excellent. The county agent furnished us with names of 12 individuals whom he felt sure would cooperate; 5 of these were actually contacted during our short visit and permission was obtained for the establishment of goat pens and traps. We plan to establish the first traps on May 11 or 12.

You indicated in recent correspondence that the latest 3 weeks catch from Trap #11 contained no screw-worms, however, the 5 days catch Mr. Skipper and I made on our recent trip to Trenton contained 2 screw-worms. Perhaps we should plan to operate the initial traps until a significant number of screw-worms are taken, and then plan to place the goats in the area rather than attempt to conform to a rigid 2 weeks prior trapping before placing goats in the area.

Following are miscellaneous figures from the 1950 U.S. Census of Agriculture, Vol.1, Part 18 pertaining to Gilchrist and Levy counties, the 2 counties involved in the Trenton area:







| County    | Cattle | Hogs   | Farms | Average<br>Size | Proportion of<br>land in farms | Total acres<br>in county |
|-----------|--------|--------|-------|-----------------|--------------------------------|--------------------------|
| Gilchrist | 3,322  | 21,840 | 428   | 267             | 52.5%                          | 216,960                  |
| Levy      | 20,956 | 22,514 | 584   | 606             | 50.5%                          | 353,904                  |

A county map of the area will be furnished. The frequency and location of roads indicates the proportion of land in farms and locations of the farms in the study area.

Curacao--Following are miscellaneous figures (1941) pertaining to Curacao and islands in the same group:

| <u>Island</u> | <u>Sq. miles</u> | <u>Population</u> |
|---------------|------------------|-------------------|
| Curacao       | 210              | 63,217            |
| Aruba         | 69               | 31,522            |
| Bonaire       | 95               | 5,556             |
| Saba          | 5                |                   |
| St. Eustatius | 7                |                   |
| St. Martin    | 17               |                   |

A quantity of dried blood was obtained from Swirt & Co. for experimental use in the screw-worm media. Per pound prices of the dried blood and cheap beef items available are listed below:

Cheek and head meat--22¢, Gullets--25¢, brains--11¢, lungs--7¢, hearts--15¢, liver--15¢, dried blood--4.5¢.

If you decide to send me to Curacao or other islands to survey for a suitable site for a small-scale eradication program, if necessary, I would be willing to forfeit sufficient annual leave to make the trip during the required time.

cc: E.F. Knippling  
R.C. Bushland

*Alfred H. Baumhover*

P.S. Trap #11 is unique in being situated within 50 feet of a permanent watering trough for hogs. The constant presence of hogs in the immediate area makes this trap distinct from any other trap in the state. The cooperator feels that this trap is responsible for limiting his cases of screw-worms in hogs to only 2 during the past year.



| County    | Cattle | Hogs   | Farms | Average<br>Size | Proportion of<br>land in farms | Total acres<br>in county |
|-----------|--------|--------|-------|-----------------|--------------------------------|--------------------------|
| Gilchrist | 2,322  | 21,240 | 422   | 267             | 52.5%                          | 216,960                  |
| Levy      | 20,956 | 22,514 | 584   | 606             | 50.5%                          | 323,904                  |

A county map of the area will be furnished. The frequency and location of roads indicates the proportion of land in farms and locations of the farms in the study area.

Curacao--Following are miscellaneous figures pertaining to Curacao and islands in the same group:

| Island        | Sq. miles | Population |
|---------------|-----------|------------|
| Curacao       | 210       | 62,217     |
| Aruba         | 89        | 21,522     |
| Bonaire       | 92        | 5,556      |
| Saba          | 8         |            |
| St. Eustatius | 7         |            |
| St. Martin    | 17        |            |

A quantity of dried blood was obtained from Swift & Co. for experimental use in the screw-worm media. Per pound prices of the dried blood and cheap beef items available are listed below:

Cheek and head meat--22¢, Gallies--22¢, brains--11¢, lungs--7¢, hearts--12¢, liver--12¢, dried blood--4.2¢.

If you decide to send me to Curacao or other islands to survey for a suitable site for a small-scale eradication program, it is necessary, I would be willing to forfeit sufficient annual leave to make the trip during the required time.

cc: E.F. Knipping  
R.C. Bushland

P.S. Trap #11 is unique in being situated within 50 feet of a permanent watering trough for hogs. The constant presence of hogs in the immediate area makes this trap distinct from any other trap in the state. The cooperator feels that this trap is responsible for limiting his cases of screw-worms in hogs to only 2 during the past year.